

1	endwall elevation
2	length variable; allow 2'-0" polyethylene overlap at each end of greenhouse
3	4 x 4 cedar posts to below frost @ 4'-0" oc
4	2 x 8 cedar
5	2 x 4 plate
6	2 x 4 studs @ 2'-0" oc
7	2 x 4 x 1'-4" scab with hole to accept ⑧
8	1½" x 20'-0" galv. pipe frame @ 4'-0" oc
9	1" galv. pipe ridge bolted at each end to ⑩ and secured to pipe arches with 3/8" J-bolt, see ④ ⑤
10	1 x 4 header arch, each end of greenhouse
11	½" galv. pipe bracing bent to follow pipe arches; ends flattened and fastened to ridge pipe ⑨ with 3/8" J-bolt
12	wood frame, polyethylene covered door; see ② sheet 2
13	suggested blower location
14	air must enter blower from outside greenhouse
15	radius point; center line of greenhouse and top of plate ⑤
16	radius of pipe frame - 12'-9"
17	2-2 x 6 header
18	ventilation fan location
19	2 x 4 nailing girt nailed to outside of studs, 2-1 x 2 battens to secure polyethylene (or use a commercial system)

LIST OF DRAWINGS

sheet no. title

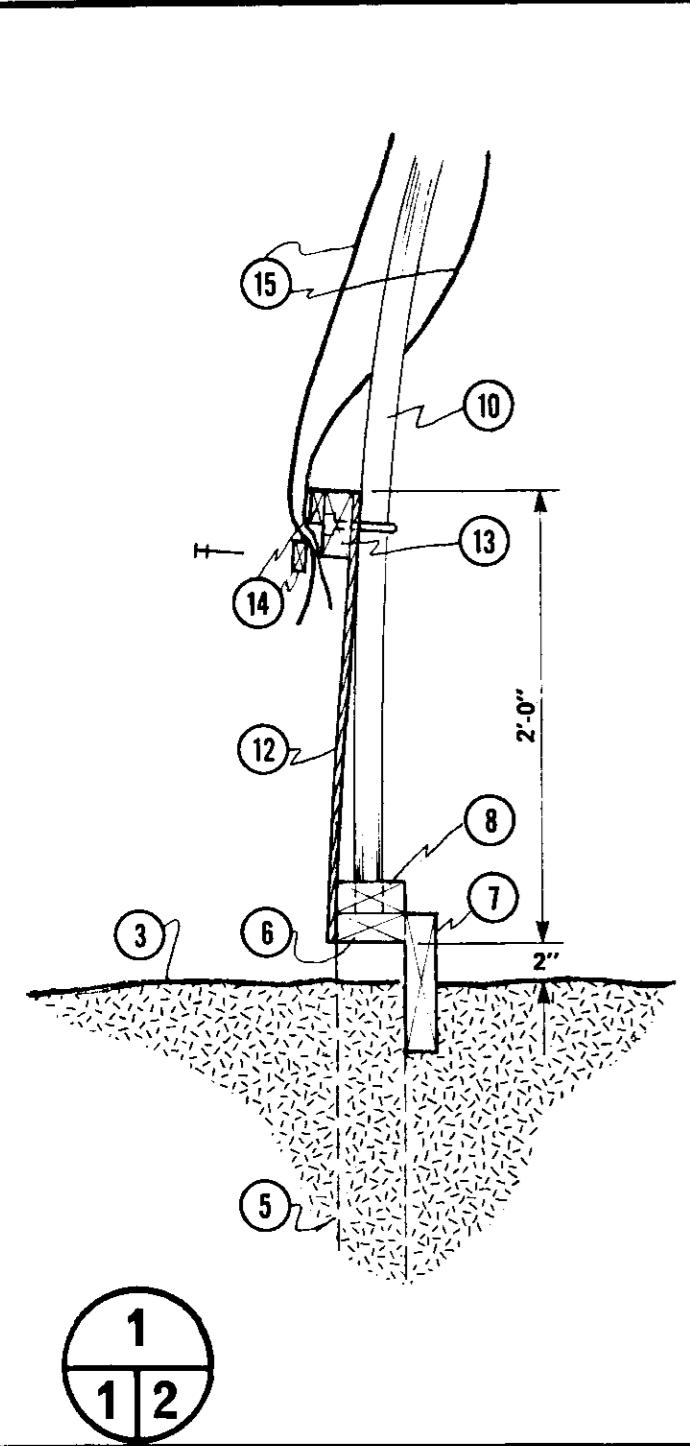
1 TWO-LAYER POLYETHYLENE GREENHOUSE

2 WALL SECTIONS & DETAILS

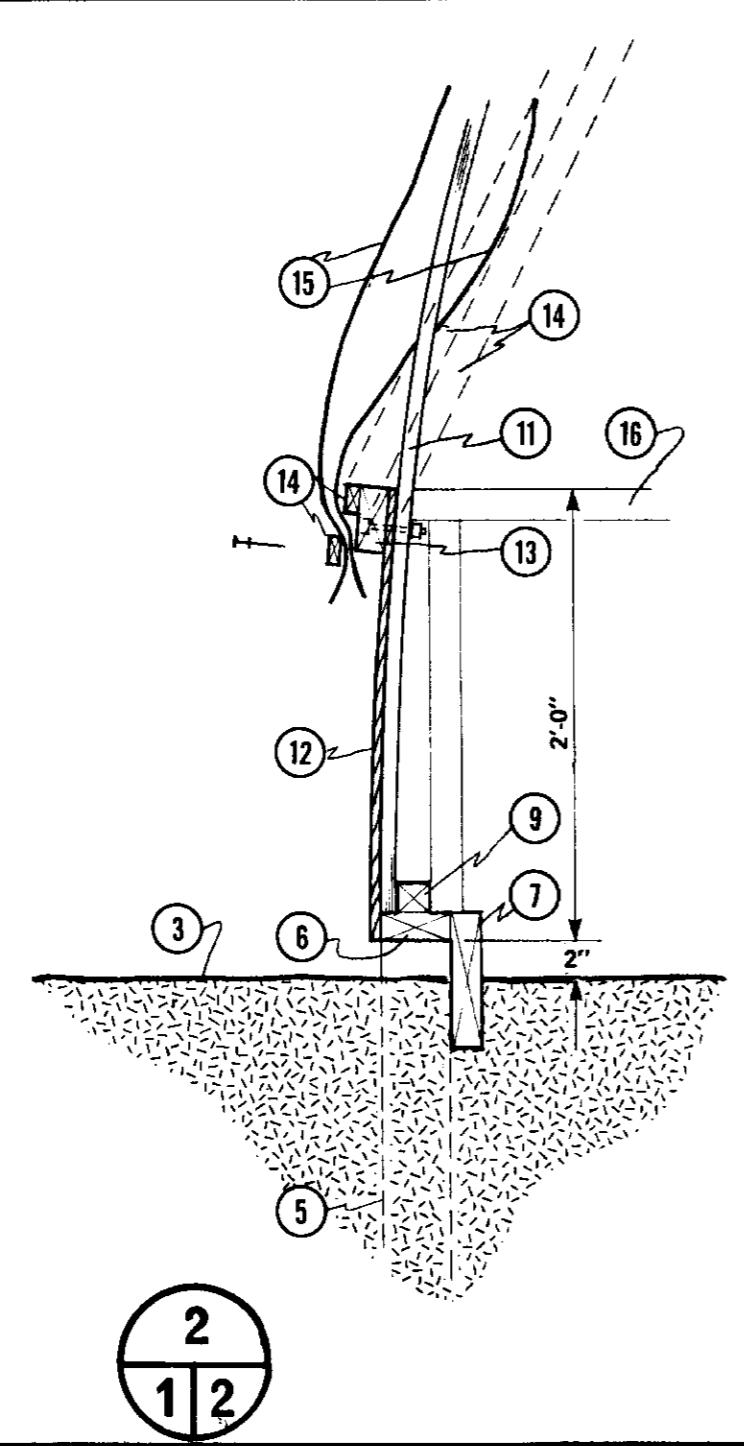
WARNING

This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are made.

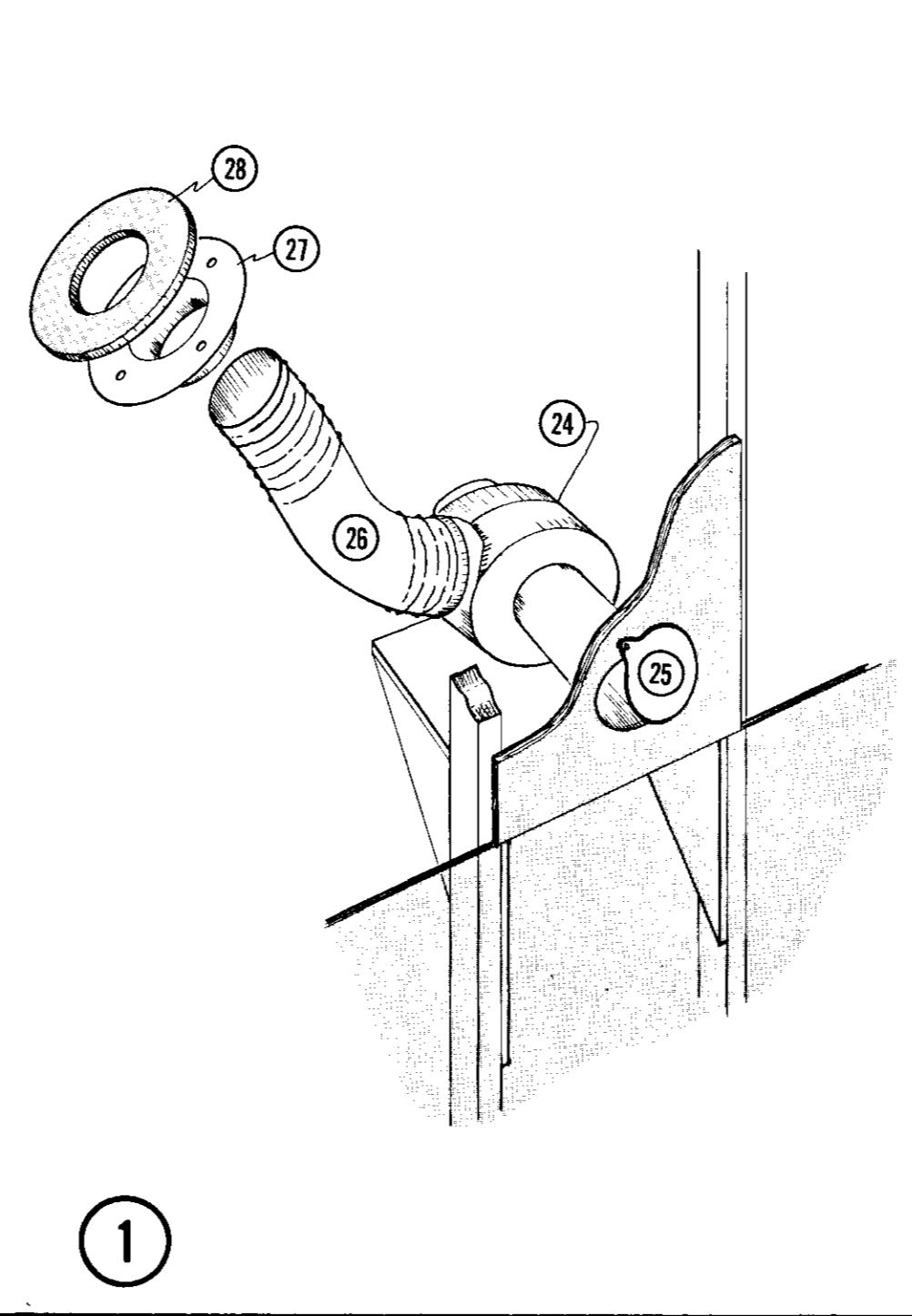
SYM	REVISIONS	CHECKED	DATE	APPROVED
CANADA PLAN SERVICE				
TWO-LAYER POLYETHYLENE GREENHOUSE				
(not to scale)				
DESIGNED J.A.R.	DATE 76-02			
DRAWN R. PELLA	REVISED 82-05			
TRACED				
CHECKED J.E.T.				
A B C	DETAIL NUMBER ORIGINATES ON SHEET. DRAWN ON SHEET.	PLAN 6720		
SHEET 1 OF 2				



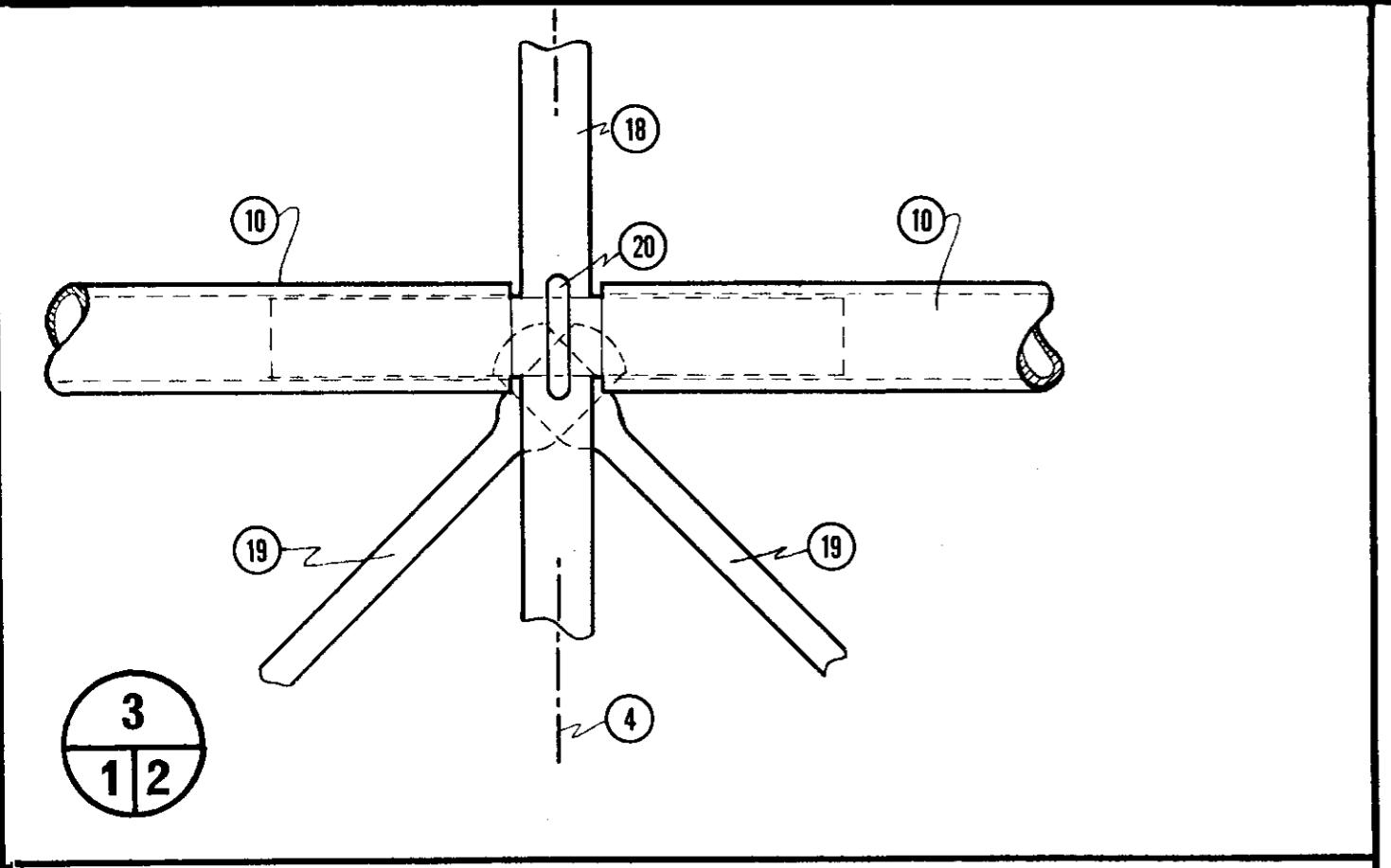
1
1 2



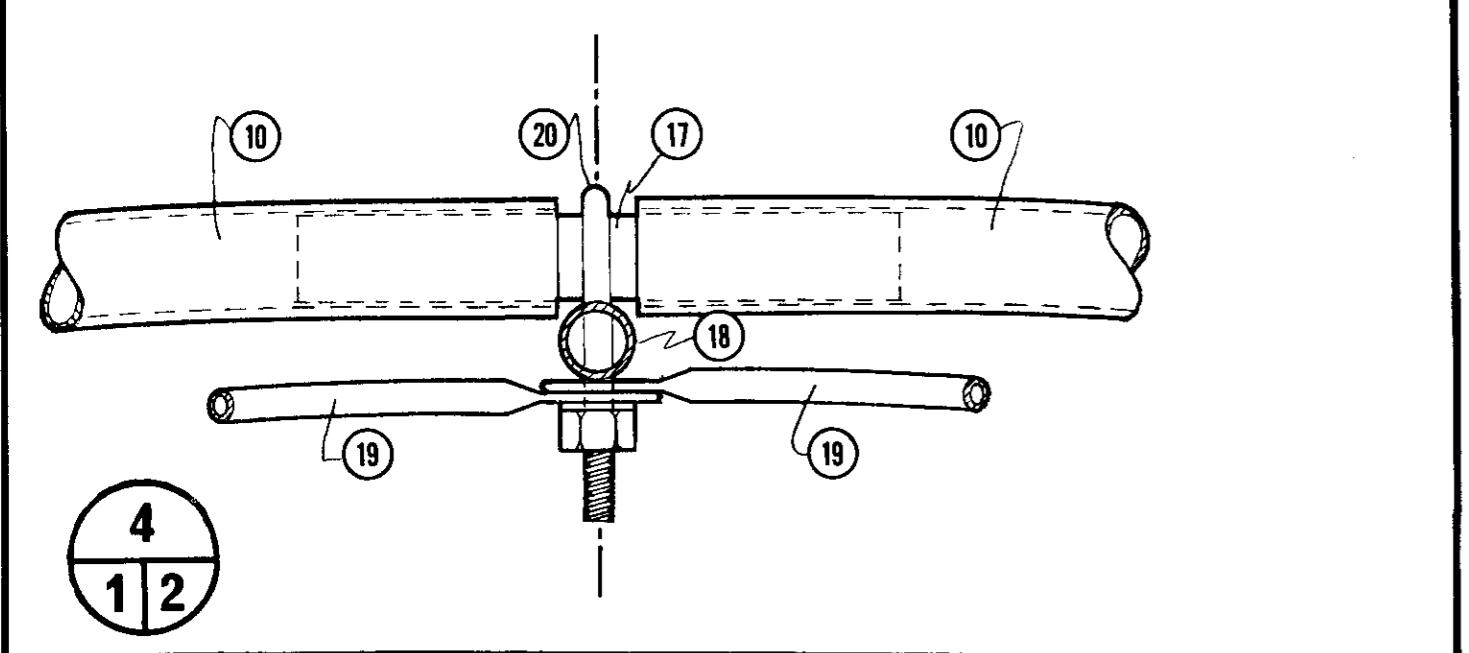
2
1 2



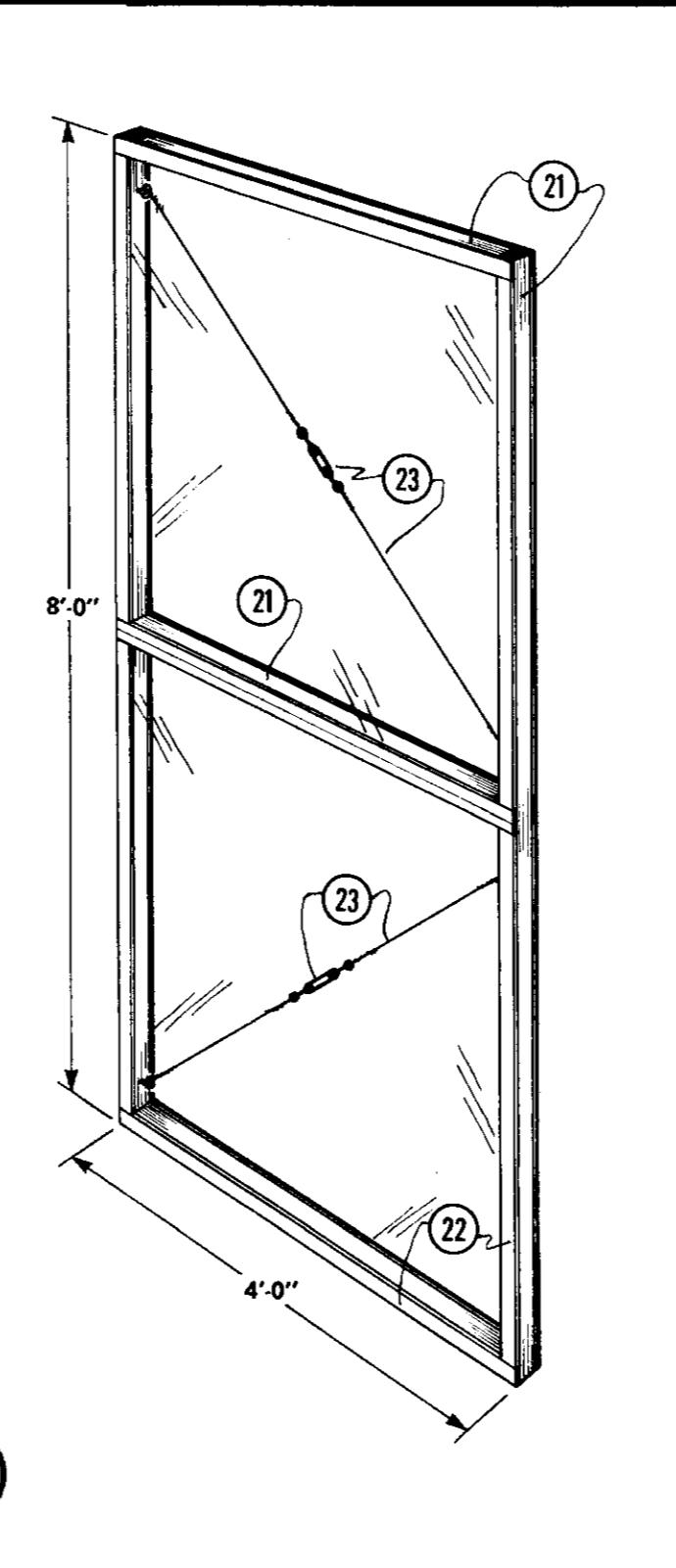
1



3
1 2



4
1 2



2

1	blower detail
2	door detail
3	grade line
4	center line of greenhouse
5	4 x 4 cedar posts Ø 4'-0" oc to below frost
6	2 x 4 plate
7	2 x 8 cedar plank, 4" galv. spiral nails @ 6" oc
8	2 x 4 scab with hole to accept 10
9	2 x 2 scab @ endwall arch
10	1 1/4" (1.380" I.D.) galv. pipe arch, 2 pcs. @ 20'-0" long
11	1 x 4 header arch @ endwalls only
12	3/8" exterior sheathing grade plywood
13	2 x 4 nailing girt fastened to 10 with U-bolts (countersink nuts), fasten to 11 with 1/4" x 3 1/2" carriage bolts
14	1 x 2 battens to secure polyethylene, nail bottom batten with 2 1/2" double-headed nails
15	6 mil polyethylene (ultra-violet inhibited); 25'-6" greenhouse span based on 40'-0" film width
16	2 x 4 nailing girt, fitted between studs
17	1" (1.315" O.D.) galv. pipe stub, 8" long
18	1" galv. pipe ridge, drill for 20
19	1/2" galv. pipe bracing (see 10, sheet 1)
20	3/8" J-bolt
21	2 x 2 frame
22	1/2" x 2" battens to secure polyethylene, both sides of frame
23	turnbuckle and wire cross-bracing attached with eyebolts
24	4" - 8" centrifugal blower; a 25' x 96' structure requires: 200 - 400 cfm air at up to 1/2" water static pressure and a 1/12 to 1/9 hp electric motor
25	air inlet cover; full open during initial inflation and during windy periods
26	polyethylene layflat tubing or collapsible clothes-dryer duct, diam. to suit blower outlet, gear clamp to 24 and 27
27	collar to match blower outlet, solder to 22 gage galv. steel flange, diam. 6" more than that of blower outlet, secure with wood screws to 28
28	3/4" plywood flange, diam. to match 27

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WALL SECTIONS & DETAILS				
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DESIGNED J.A.R.	DATE 76-02			
DRAWN R. PELLA	REVISED 82-05			
TRACED				
CHECKED J.E.T.				
		DETAIL NUMBER A	A	
		ORIGINATES ON SHEET B	B	
		DRAWN ON SHEET C	C	
PLAN 6720				
SHEET 2 OF 2				